

Sample_ID	start time	end time	Time Elapse(min)
BAO121311_300	12/13/11 1:00 PM	12/30/11 10:42 AM	24342
BAO121311_250	12/13/11 1:00 PM	12/30/11 10:42 AM	24342
BAO121311_200	12/13/11 1:00 PM	12/30/11 10:42 AM	24342
BAO121311_150	12/13/11 1:00 PM	12/30/11 10:42 AM	24342
BAO121311_100	12/13/11 1:00 PM	12/30/11 10:42 AM	24342
BAO121311_50	12/13/11 1:00 PM	12/30/11 10:42 AM	24342
BAO121311_22	12/13/11 1:00 PM	12/30/11 10:42 AM	24342
BAO121311_10	12/13/11 1:00 PM	12/30/11 10:42 AM	24342
BAO121311_0	12/13/11 1:00 PM	12/30/11 10:42 AM	24342
BAO123011_300	12/30/11 10:42 AM	1/17/12 11:09 AM	25947
BAO123011_250	12/30/11 10:42 AM	1/17/12 11:09 AM	25947
BAO123011_200	12/30/11 10:42 AM	1/17/12 11:09 AM	25947
BAO123011_150	12/30/11 10:42 AM	1/17/12 11:09 AM	25947
BAO123011_100	12/30/11 10:42 AM	1/17/12 11:09 AM	25947
BAO123011_50	12/30/11 10:42 AM	1/17/12 11:09 AM	25947
BAO123011_22	12/30/11 10:42 AM	1/17/12 11:09 AM	25947
BAO123011_10	12/30/11 10:42 AM	1/17/12 11:09 AM	25947
BAO123011_0	12/30/11 10:42 AM	1/17/12 11:09 AM	25947
BAO011712_300	1/17/12 11:09 AM	1/31/12 11:20 AM	20171.00
BAO011712_250	1/17/12 11:09 AM	1/31/12 11:20 AM	20171.00
BAO011712_200	1/17/12 11:09 AM	1/31/12 11:20 AM	20171.00
BAO011712_150	1/17/12 11:09 AM	1/31/12 11:20 AM	20171.00
BAO011712_100	1/17/12 11:09 AM	1/31/12 11:20 AM	20171.00
BAO011712_50	1/17/12 11:09 AM	1/31/12 11:20 AM	20171.00
BAO011712_22	1/17/12 11:09 AM	1/31/12 11:20 AM	20171.00
BAO011712_10	1/17/12 11:09 AM	1/31/12 11:20 AM	20171.00
BAO011712_0	1/17/12 11:09 AM	1/31/12 11:20 AM	20171.00
BAO013112_300	1/31/12 11:20 AM	2/14/12 10:28 AM	20108.00
BAO013112_250	1/31/12 11:20 AM	2/14/12 10:28 AM	20108.00
BAO013112_200	1/31/12 11:20 AM	2/14/12 10:28 AM	20108.00
BAO013112_150	1/31/12 11:20 AM	2/14/12 10:28 AM	20108.00
BAO013112_100	1/31/12 11:20 AM	2/14/12 10:28 AM	20108.00
BAO013112_50	1/31/12 11:20 AM	2/14/12 10:28 AM	20108.00
BAO013112_22	1/31/12 11:20 AM	2/14/12 10:28 AM	20108.00
BAO013112_10	1/31/12 11:20 AM	2/14/12 10:28 AM	20108.00
BAO013112_0	1/31/12 11:20 AM	2/14/12 10:28 AM	20108.00
BAO021412_300	2/14/12 10:28 AM	2/29/12 10:20 AM	21592.00
BAO021412_250	2/14/12 10:28 AM	2/29/12 10:20 AM	21592.00
BAO021412_200	2/14/12 10:28 AM	2/29/12 10:20 AM	21592.00
BAO021412_150	2/14/12 10:28 AM	2/29/12 10:20 AM	21592.00
BAO021412_100	2/14/12 10:28 AM	2/29/12 10:20 AM	21592.00
BAO021412_50	2/14/12 10:28 AM	2/29/12 10:20 AM	21592.00
BAO021412_22	2/14/12 10:28 AM	2/29/12 10:20 AM	21592.00
BAO021412_10	2/14/12 10:28 AM	2/29/12 10:20 AM	21592.00
BAO021412_0	2/14/12 10:28 AM	2/29/12 10:20 AM	21592.00

BAO022912_300	2/29/12 10:25 AM	3/14/12 10:58 AM	20193.00
BAO022912_250	2/29/12 10:25 AM	3/14/12 10:58 AM	20193.00
BAO022912_200	2/29/12 10:25 AM	3/14/12 10:58 AM	20193.00
BAO022912_150	2/29/12 10:25 AM	3/14/12 10:58 AM	20193.00
BAO022912_100	2/29/12 10:25 AM	3/14/12 10:58 AM	20193.00
BAO022912_50	2/29/12 10:25 AM	3/14/12 10:58 AM	20193.00
BAO022912_22	2/29/12 10:25 AM	3/14/12 10:58 AM	20193.00
BAO022912_10	2/29/12 10:25 AM	3/14/12 10:58 AM	20193.00
BAO022912_0	2/29/12 10:16 AM	3/14/12 10:22 AM	20166.00
BAO031412_300	3/14/12 10:58 AM	3/29/12 2:10 PM	21792.00
BAO031412_250	3/14/12 10:58 AM	3/29/12 2:10 PM	21792.00
BAO031412_200	3/14/12 10:58 AM	3/29/12 2:10 PM	21792.00
BAO031412_150	3/14/12 10:58 AM	3/29/12 2:10 PM	21792.00
BAO031412_100	3/14/12 10:58 AM	3/29/12 2:10 PM	21792.00
BAO031412_50	3/14/12 10:58 AM	3/29/12 2:10 PM	21792.00
BAO031412_22	3/14/12 10:58 AM	3/29/12 2:10 PM	21792.00
BAO031412_10	3/14/12 10:58 AM	3/29/12 2:10 PM	21792.00
BAO031412_0	3/14/12 10:22 AM	3/29/12 2:10 PM	21828.00
BAO032912_300	3/29/12 2:10 PM	4/12/12 2:14 PM	20164.00
BAO032912_250	3/29/12 2:10 PM	4/12/12 2:14 PM	20164.00
BAO032912_200	3/29/12 2:10 PM	4/12/12 2:14 PM	20164.00
BAO032912_150	3/29/12 2:10 PM	4/12/12 2:14 PM	20164.00
BAO032912_100	3/29/12 2:10 PM	4/12/12 2:14 PM	20164.00
BAO032912_50	3/29/12 2:10 PM	4/12/12 2:14 PM	20164.00
BAO032912_22	3/29/12 2:10 PM	4/12/12 2:14 PM	20164.00
BAO032912_10	3/29/12 2:10 PM	4/12/12 2:14 PM	20164.00
BAO032912_0	3/29/12 2:10 PM	4/12/12 2:14 PM	20164.00
BAO041212_300	4/12/12 2:14 PM	5/2/12 9:20 AM	28506.00
BAO041212_250	4/12/12 2:14 PM	5/2/12 9:20 AM	28506.00
BAO041212_200	4/12/12 2:14 PM	5/2/12 9:20 AM	28506.00
BAO041212_150	4/12/12 2:14 PM	5/2/12 9:20 AM	28506.00
BAO041212_100	4/12/12 2:14 PM	5/2/12 9:20 AM	28506.00
BAO041212_50	4/12/12 2:14 PM	5/2/12 9:20 AM	28506.00
BAO041212_22	4/12/12 2:14 PM	5/2/12 9:20 AM	28506.00
BAO041212_10	4/12/12 2:14 PM	5/2/12 9:20 AM	28506.00
BAO041212_0	4/12/12 2:46 PM	5/1/12 2:35 PM	27349.00
BAO050112_300	5/2/12 9:20 AM	5/15/12 2:33 PM	19033.00
BAO050112_250	5/2/12 9:20 AM	5/15/12 2:33 PM	19033.00
BAO050112_200	5/2/12 9:20 AM	5/15/12 2:33 PM	19033.00
BAO050112_150	5/2/12 9:20 AM	5/15/12 2:33 PM	19033.00
BAO050112_100	5/2/12 9:20 AM	5/15/12 2:33 PM	19033.00
BAO050112_50	5/2/12 9:20 AM	5/15/12 2:33 PM	19033.00
BAO050112_22	5/2/12 9:20 AM	5/15/12 2:33 PM	19033.00
BAO050112_10	5/2/12 9:20 AM	5/15/12 2:33 PM	19033.00
BAO050112_0	5/1/12 2:35 PM	5/15/12 3:00 PM	20185.00
BAO051512_300	5/15/12 2:33 PM	6/19/12 2:28 PM	50395.00
BAO051512_250	5/15/12 2:33 PM	6/19/12 2:28 PM	50395.00

BAO051512_200	5/15/12 2:33 PM	6/19/12 2:28 PM	50395.00
BAO051512_150	5/15/12 2:33 PM	6/19/12 2:28 PM	50395.00
BAO051512_100	5/15/12 2:33 PM	6/19/12 2:28 PM	50395.00
BAO051512_50	5/15/12 2:33 PM	6/19/12 2:28 PM	50395.00
BAO051512_22	5/15/12 2:33 PM	6/19/12 2:28 PM	50395.00
BAO051512_10	5/15/12 2:33 PM	6/19/12 2:28 PM	50395.00
BAO051512_0	5/15/12 3:00 PM	6/19/12 2:28 PM	50368.00
BAO061912_300	6/19/12 2:28 PM	6/29/12 2:28 PM	14400.00
BAO061912_250	6/19/12 2:28 PM	6/29/12 2:28 PM	14400.00
BAO061912_200	6/19/12 2:28 PM	6/29/12 2:28 PM	14400.00
BAO061912_150	6/19/12 2:28 PM	6/29/12 2:28 PM	14400.00
BAO061912_100	6/19/12 2:28 PM	6/29/12 2:28 PM	14400.00
BAO061912_50	6/19/12 2:28 PM	6/29/12 2:28 PM	14400.00
BAO061912_22	6/19/12 2:28 PM	6/29/12 2:28 PM	14400.00
BAO061912_10	6/19/12 2:28 PM	6/29/12 2:28 PM	14400.00
BAO061912_0	6/19/12 2:28 PM	6/29/12 2:26 PM	14398.00
BAO062912_300	6/29/12 2:28 PM	7/6/12 2:35 PM	10087.00
BAO062912_250	6/29/12 2:28 PM	7/6/12 2:35 PM	10087.00
BAO062912_200	6/29/12 2:28 PM	7/6/12 2:35 PM	10087.00
BAO062912_150	6/29/12 2:28 PM	7/6/12 2:35 PM	10087.00
BAO062912_100	6/29/12 2:28 PM	7/6/12 2:35 PM	10087.00
BAO062912_50	6/29/12 2:28 PM	7/6/12 2:35 PM	10087.00
BAO062912_22	6/29/12 2:28 PM	7/6/12 2:35 PM	10087.00
BAO062912_10	6/29/12 2:28 PM	7/6/12 2:35 PM	10087.00
BAO062912_0	6/29/12 2:26 PM	7/6/12 2:37 PM	10091.00
BAO070612_300	7/6/12 2:35 PM	7/12/12 2:40 PM	8645.00
BAO070612_250	7/6/12 2:35 PM	7/12/12 2:40 PM	8645.00
BAO070612_200	7/6/12 2:35 PM	7/12/12 2:40 PM	8645.00
BAO070612_150	7/6/12 2:35 PM	7/12/12 2:40 PM	8645.00
BAO070612_100	7/6/12 2:35 PM	7/12/12 2:40 PM	8645.00
BAO070612_50	7/6/12 2:35 PM	7/12/12 2:40 PM	8645.00
BAO070612_22	7/6/12 2:35 PM	7/12/12 2:40 PM	8645.00
BAO070612_10	7/6/12 2:35 PM	7/12/12 2:40 PM	8645.00
BAO070612_0	7/6/12 2:37 PM	7/12/12 2:42 PM	8645.00
BAO071212_300	7/12/12 2:40 PM	7/20/12 2:28 PM	11508.00
BAO071212_250	7/12/12 2:40 PM	7/20/12 2:28 PM	11508.00
BAO071212_200	7/12/12 2:40 PM	7/20/12 2:28 PM	11508.00
BAO071212_150	7/12/12 2:40 PM	7/20/12 2:28 PM	11508.00
BAO071212_100	7/12/12 2:40 PM	7/20/12 2:28 PM	11508.00
BAO071212_50	7/12/12 2:40 PM	7/20/12 2:28 PM	11508.00
BAO071212_22	7/12/12 2:40 PM	7/20/12 2:28 PM	11508.00
BAO071212_10	7/12/12 2:40 PM	7/20/12 2:28 PM	11508.00
BAO071212_0	7/12/12 2:42 PM	7/20/12 2:26 PM	11504.00
BAO072012_300	7/20/12 2:28 PM	7/31/12 11:30 AM	15662.00
BAO072012_250	7/20/12 2:28 PM	7/31/12 11:30 AM	15662.00
BAO072012_200	7/20/12 2:28 PM	7/31/12 11:30 AM	15662.00
BAO072012_150	7/20/12 2:28 PM	7/31/12 11:30 AM	15662.00

BAO072012_100	7/20/12 2:28 PM	7/31/12 11:30 AM	15662.00
BAO072012_50	7/20/12 2:28 PM	7/31/12 11:30 AM	15662.00
BAO072012_22	7/20/12 2:28 PM	7/31/12 11:30 AM	15662.00
BAO072012_10	7/20/12 2:28 PM	7/31/12 11:30 AM	15662.00
BAO072012_0	7/20/12 2:26 PM	7/27/12 2:41 PM	10095.00
BAO072712_300	7/31/12 11:30 AM	8/9/12 2:30 PM	13140.00
BAO072712_250	7/31/12 11:30 AM	8/9/12 2:30 PM	13140.00
BAO072712_200	7/31/12 11:30 AM	8/9/12 2:30 PM	13140.00
BAO072712_150	7/31/12 11:30 AM	8/9/12 2:30 PM	13140.00
BAO072712_100	7/31/12 11:30 AM	8/9/12 2:30 PM	13140.00
BAO072712_50	7/31/12 11:30 AM	8/9/12 2:30 PM	13140.00
BAO072712_22	7/31/12 11:30 AM	8/9/12 2:30 PM	13140.00
BAO072712_10	7/31/12 11:30 AM	8/9/12 2:30 PM	13140.00
BAO072712_0	7/27/12 2:41 PM	8/9/12 2:58 PM	18737.00
BAO080912_300	8/9/12 2:30 PM	8/16/12 2:44 PM	10094.00
BAO080912_250	8/9/12 2:30 PM	8/16/12 2:44 PM	10094.00
BAO080912_200	8/9/12 2:30 PM	8/16/12 2:44 PM	10094.00
BAO080912_150	8/9/12 2:30 PM	8/16/12 2:44 PM	10094.00
BAO080912_100	8/9/12 2:30 PM	8/16/12 2:44 PM	10094.00
BAO080912_50	8/9/12 2:30 PM	8/16/12 2:44 PM	10094.00
BAO080912_22	8/9/12 2:30 PM	8/16/12 2:44 PM	10094.00
BAO080912_10	8/9/12 2:30 PM	8/16/12 2:44 PM	10094.00
BAO080912_0	8/9/12 2:58 PM	8/16/12 2:38 PM	10060.00
BAO081612_300	8/16/12 2:44 PM	8/24/12 3:10 PM	11546.00
BAO081612_250	8/16/12 2:44 PM	8/24/12 3:10 PM	11546.00
BAO081612_200	8/16/12 2:44 PM	8/24/12 3:10 PM	11546.00
BAO081612_150	8/16/12 2:44 PM	8/24/12 3:10 PM	11546.00
BAO081612_100	8/16/12 2:44 PM	8/24/12 3:10 PM	11546.00
BAO081612_50	8/16/12 2:44 PM	8/24/12 3:10 PM	11546.00
BAO081612_22	8/16/12 2:44 PM	8/24/12 3:10 PM	11546.00
BAO081612_10	8/16/12 2:44 PM	8/24/12 3:10 PM	11546.00
BAO081612_0	8/16/12 2:38 PM	8/24/12 3:08 PM	11550.00
BAO082412_300	8/24/12 3:10 PM	8/30/12 8:40 PM	8970.00
BAO082412_250	8/24/12 3:10 PM	8/30/12 8:40 PM	8970.00
BAO082412_200	8/24/12 3:10 PM	8/30/12 8:40 PM	8970.00
BAO082412_150	8/24/12 3:10 PM	8/30/12 8:40 PM	8970.00
BAO082412_100	8/24/12 3:10 PM	8/30/12 8:40 PM	8970.00
BAO082412_50	8/24/12 3:10 PM	8/30/12 8:40 PM	8970.00
BAO082412_22	8/24/12 3:10 PM	8/30/12 8:40 PM	8970.00
BAO082412_10	8/24/12 3:10 PM	8/30/12 8:40 PM	8970.00
BAO082412_0	8/24/12 3:08 PM	8/30/12 8:40 PM	8972.00
BAO083012_300	8/30/12 8:40 PM	9/17/12 3:05 PM	25585.00
BAO083012_250	8/30/12 8:40 PM	9/17/12 3:05 PM	25585.00
BAO083012_200	8/30/12 8:40 PM	9/17/12 3:05 PM	25585.00
BAO083012_150	8/30/12 8:40 PM	9/17/12 3:05 PM	25585.00
BAO083012_100	8/30/12 8:40 PM	9/17/12 3:05 PM	25585.00
BAO083012_50	8/30/12 8:40 PM	9/17/12 3:05 PM	25585.00

BAO083012_22	8/30/12 8:40 PM	9/17/12 3:05 PM	25585.00
BAO083012_10	8/30/12 8:40 PM	9/17/12 3:05 PM	25585.00
BAO083012_0	8/30/12 8:40 PM	9/17/12 3:05 PM	25585.00
BAO091712_300	9/17/12 3:05 PM	9/28/12 11:10 AM	15605.00
BAO091712_250	9/17/12 3:05 PM	9/28/12 11:10 AM	15605.00
BAO091712_200	9/17/12 3:05 PM	9/28/12 11:10 AM	15605.00
BAO091712_150	9/17/12 3:05 PM	9/28/12 11:10 AM	15605.00
BAO091712_100	9/17/12 3:05 PM	9/28/12 11:10 AM	15605.00
BAO091712_50	9/17/12 3:05 PM	9/28/12 11:10 AM	15605.00
BAO091712_22	9/17/12 3:05 PM	9/28/12 11:10 AM	15605.00
BAO091712_10	9/17/12 3:05 PM	9/28/12 11:10 AM	15605.00
BAO091712_0	9/17/12 3:05 PM	9/28/12 11:10 AM	15605.00
BAO092812_300	9/28/12 11:10 AM	10/12/12 2:30 PM	20360.00
BAO092812_250	9/28/12 11:10 AM	10/12/12 2:30 PM	20360.00
BAO092812_200	9/28/12 11:10 AM	10/12/12 2:30 PM	20360.00
BAO092812_150	9/28/12 11:10 AM	10/12/12 2:30 PM	20360.00
BAO092812_100	9/28/12 11:10 AM	10/12/12 2:30 PM	20360.00
BAO092812_50	9/28/12 11:10 AM	10/12/12 2:30 PM	20360.00
BAO092812_22	9/28/12 11:10 AM	10/12/12 2:30 PM	20360.00
BAO092812_10	9/28/12 11:10 AM	10/12/12 2:30 PM	20360.00
BAO092812_0	9/28/12 11:10 AM	10/12/12 2:30 PM	20360.00
BAO101212_300	10/12/12 2:30 PM	10/29/12 2:20 PM	24470.00
BAO101212_250	10/12/12 2:30 PM	10/29/12 2:20 PM	24470.00
BAO101212_200	10/12/12 2:30 PM	10/29/12 2:20 PM	24470.00
BAO101212_150	10/12/12 2:30 PM	10/29/12 2:20 PM	24470.00
BAO101212_100	10/12/12 2:30 PM	10/29/12 2:20 PM	24470.00
BAO101212_50	10/12/12 2:30 PM	10/29/12 2:20 PM	24470.00
BAO101212_22	10/12/12 2:30 PM	10/29/12 2:20 PM	24470.00
BAO101212_10	10/12/12 2:30 PM	10/29/12 2:20 PM	24470.00
BAO101212_0	10/12/12 2:30 PM	10/29/12 2:20 PM	24470.00
BAO102912_300	10/29/12 2:20 PM	11/12/12 2:50 PM	20190.00
BAO102912_250	10/29/12 2:20 PM	11/12/12 2:50 PM	20190.00
BAO102912_200	10/29/12 2:20 PM	11/12/12 2:50 PM	20190.00
BAO102912_150	10/29/12 2:20 PM	11/12/12 2:50 PM	20190.00
BAO102912_100	10/29/12 2:20 PM	11/12/12 2:50 PM	20190.00
BAO102912_50	10/29/12 2:20 PM	11/12/12 2:50 PM	20190.00
BAO102912_22	10/29/12 2:20 PM	11/12/12 2:50 PM	20190.00
BAO102912_10	10/29/12 2:20 PM	11/12/12 2:50 PM	20190.00
BAO102912_0	10/29/12 2:20 PM	11/12/12 2:50 PM	20190.00
BAO111212_300	11/12/12 2:50 PM	11/27/12 4:00 PM	21670.00
BAO111212_250	11/12/12 2:50 PM	11/27/12 4:00 PM	21670.00
BAO111212_200	11/12/12 2:50 PM	11/27/12 4:00 PM	21670.00
BAO111212_150	11/12/12 2:50 PM	11/27/12 4:00 PM	21670.00
BAO111212_100	11/12/12 2:50 PM	11/27/12 4:00 PM	21670.00
BAO111212_50	11/12/12 2:50 PM	11/27/12 4:00 PM	21670.00
BAO111212_22	11/12/12 2:50 PM	11/27/12 4:00 PM	21670.00
BAO111212_10	11/12/12 2:50 PM	11/27/12 4:00 PM	21670.00

BAO111212_0	11/12/12 2:50 PM	11/27/12 4:00 PM	21670.00
BAO112712_300	11/27/12 4:00 PM	12/12/12 4:10 PM	21610.00
BAO112712_250	11/27/12 4:00 PM	12/12/12 4:10 PM	21610.00
BAO112712_200	11/27/12 4:00 PM	12/12/12 4:10 PM	21610.00
BAO112712_150	11/27/12 4:00 PM	12/12/12 4:10 PM	21610.00
BAO112712_100	11/27/12 4:00 PM	12/12/12 4:10 PM	21610.00
BAO112712_50	11/27/12 4:00 PM	12/12/12 4:10 PM	21610.00
BAO112712_22	11/27/12 4:00 PM	12/12/12 4:10 PM	21610.00
BAO112712_10	11/27/12 4:00 PM	12/12/12 4:10 PM	21610.00
BAO112712_0	11/27/12 4:00 PM	12/12/12 4:10 PM	21610.00
BAO121212_300	12/12/12 4:10 PM	1/9/13 3:00 PM	40250.00
BAO121212_250	12/12/12 4:10 PM	1/9/13 3:00 PM	40250.00
BAO121212_200	12/12/12 4:10 PM	1/9/13 3:00 PM	40250.00
BAO121212_150	12/12/12 4:10 PM	1/9/13 3:00 PM	40250.00
BAO121212_100	12/12/12 4:10 PM	1/9/13 3:00 PM	40250.00
BAO121212_50	12/12/12 4:10 PM	1/9/13 3:00 PM	40250.00
BAO121212_22	12/12/12 4:10 PM	1/9/13 3:00 PM	40250.00
BAO121212_10	12/12/12 4:10 PM	1/9/13 3:00 PM	40250.00
BAO121212_0	12/12/12 4:10 PM	1/9/13 3:00 PM	40250.00

NH4( $\mu$ N) AVG	NH4( $\mu$ mol) BLK-Corrected	RH(%)	T( $^{\circ}$ C)	T(K)	NH3 Con $\mu$ g/m <sup>3</sup>
27.55	0.28	40.43	2.58	275.73	0.79
27.30	0.27	43.66	2.96	276.11	0.79
38.87	0.39	44.43	2.87	276.02	1.17
41.70	0.42	45.16	3.26	276.41	1.27
53.89	0.54	46.47	2.02	275.17	1.69
86.94	0.87	50.25	2.53	275.68	2.80
113.13	1.13	53.50	1.64	274.79	3.71
151.31	1.51	57.31	-0.09	273.06	5.05
151.56	1.52	62.94	-0.89	272.26	5.10
41.44	0.41	33.72	3.81	276.96	1.16
47.56	0.48	39.44	4.29	277.44	1.34
51.95	0.52	36.72	4.59	277.74	1.48
62.72	0.63	41.43	4.70	277.85	1.82
80.64	0.81	37.00	4.12	277.27	2.39
95.18	0.95	40.68	4.43	277.58	2.85
122.77	1.23	42.53	3.92	277.07	3.72
136.77	1.37	45.04	2.90	276.05	4.19
133.48	1.33	59.28	1.91	275.06	4.12
26.11	0.26	30.48	4.78	277.93	0.89
28.29	0.28	32.97	5.48	278.63	0.97
37.23	0.37	34.52	5.58	278.73	1.32
41.72	0.42	33.96	6.27	279.42	1.50
50.67	0.51	34.41	5.17	278.32	1.87
77.68	0.78	37.22	6.10	279.25	2.94
87.44	0.87	37.26	7.20	280.35	3.31
92.78	0.93	40.48	4.49	277.64	3.58
85.92	0.86	46.42	3.98	277.13	3.32
28.21	0.28	64.40	-3.06	270.09	1.02
32.76	0.33	66.84	-2.55	270.60	1.21
47.40	0.47	65.19	-2.43	270.72	1.82
58.63	0.59	65.93	-2.13	271.02	2.29
68.09	0.68	68.29	-3.14	270.01	2.71
90.09	0.90	66.12	-2.06	271.09	3.62
95.97	0.96	69.46	-2.47	270.68	3.89
102.97	1.03	72.69	-3.62	269.53	4.22
101.24	1.01	68.48	-1.97	271.18	4.11
39.42	0.39	41.56	0.63	273.78	1.34
46.55	0.47	44.74	1.40	274.55	1.61
57.69	0.58	46.63	1.43	274.58	2.03
72.99	0.73	43.25	3.94	277.09	2.57
91.53	0.92	48.21	0.91	274.06	3.34
103.75	1.04	46.84	2.82	275.97	3.78
112.53	1.13	43.43	4.51	277.66	4.08
135.28	1.35	53.33	0.65	273.80	5.06
123.55	1.24	56.58	1.20	274.35	4.60

20.45	0.20	31.39	6.17	279.32	0.66
23.29	0.23	32.29	7.25	280.40	0.77
28.59	0.29	31.90	7.98	281.13	0.97
33.16	0.33	32.18	7.77	280.92	1.16
36.67	0.37	32.17	7.38	280.53	1.30
44.16	0.44	32.31	8.05	281.20	1.60
51.12	0.51	35.24	7.74	280.89	1.88
56.85	0.57	34.55	7.15	280.30	2.11
53.03	0.53	39.68	7.43	280.58	1.96
48.37	0.48	24.13	12.74	285.89	1.53
50.00	0.50	23.81	13.19	286.34	1.59
59.78	0.60	24.19	13.39	286.54	1.94
61.20	0.61	25.02	13.39	286.54	2.00
72.66	0.73	25.86	13.39	286.54	2.40
77.09	0.77	25.92	13.94	287.09	2.56
82.73	0.83	27.51	14.35	287.50	2.76
85.79	0.86	28.35	13.04	286.19	2.90
79.34	0.79	31.70	12.54	285.69	2.68
59.57	0.60	40.73	11.34	284.49	2.09
63.83	0.64	37.41	11.93	285.08	2.25
67.01	0.67	42.40	12.43	285.58	2.37
79.66	0.80	43.05	12.32	285.47	2.86
83.71	0.84	42.91	11.97	285.12	3.04
95.68	0.96	42.93	12.64	285.79	3.50
96.67	0.97	43.62	12.78	285.93	3.54
101.03	1.01	44.59	11.94	285.09	3.73
89.52	0.90	46.87	12.85	286.00	3.28
72.37	0.72	38.46	12.82	285.97	1.79
78.92	0.79	38.03	13.65	286.80	1.96
86.05	0.86	38.19	13.72	286.87	2.16
92.80	0.93	36.59	15.56	288.71	2.32
103.87	1.04	39.73	13.94	287.09	2.65
118.54	1.19	39.91	14.74	287.89	3.04
113.54	1.14	39.17	16.26	289.41	2.89
147.32	1.47	42.66	14.07	287.22	3.83
121.04	1.21	43.84	14.52	287.67	3.26
56.13	0.56	43.96	12.96	286.11	2.05
57.96	0.58	45.95	13.56	286.71	2.13
65.17	0.65	46.51	13.90	287.05	2.42
72.98	0.73	46.11	13.98	287.13	2.74
73.67	0.74	45.26	13.74	286.89	2.79
86.14	0.86	47.04	14.39	287.54	3.29
84.08	0.84	47.68	14.64	287.79	3.21
91.75	0.92	46.75	14.12	287.27	3.53
92.48	0.92	49.45	15.21	288.36	3.34
173.92	1.74	34.13	19.22	292.37	2.40
175.99	1.76	33.94	19.66	292.81	2.44



184.25	1.84	33.75	20.09	293.24	2.56
206.22	2.06	34.05	20.20	293.35	2.89
238.44	2.38	34.35	20.31	293.46	3.37
271.02	2.71	35.34	20.39	293.54	3.85
288.28	2.88	35.83	20.43	293.58	4.12
308.98	3.09	36.32	20.47	293.62	4.42
297.73	2.98	40.69	20.19	293.34	4.27
69.81	0.70	25.74	26.37	299.52	3.14
73.68	0.74	25.85	26.77	299.92	3.34
80.86	0.81	27.59	27.14	300.29	3.69
87.35	0.87	26.76	27.07	300.22	4.03
100.12	1.00	26.96	27.07	300.22	4.66
108.10	1.08	26.99	27.19	300.34	5.08
118.98	1.19	28.13	27.31	300.46	5.62
124.33	1.24	28.40	27.06	300.21	5.89
116.26	1.16	29.78	28.20	301.35	5.47
68.40	0.68	33.53	26.11	299.26	4.40
66.57	0.67	35.90	23.25	296.40	4.38
70.76	0.71	33.99	25.01	298.16	4.65
73.31	0.73	32.08	26.77	299.92	4.80
84.50	0.84	35.09	26.85	300.00	5.60
95.57	0.96	39.73	26.21	299.36	6.42
104.38	1.04	35.78	27.22	300.37	7.01
110.22	1.10	34.97	27.07	300.22	7.43
100.64	1.01	34.61	28.00	301.15	6.74
45.47	0.45	64.76	19.85	293.00	3.46
50.45	0.50	64.37	20.14	293.29	3.89
53.27	0.53	65.44	20.33	293.48	4.14
59.53	0.60	66.48	20.56	293.71	4.67
62.33	0.62	65.57	20.82	293.97	4.93
69.00	0.69	64.73	21.05	294.20	5.51
84.17	0.84	52.05	21.86	295.01	6.77
89.01	0.89	62.93	21.89	295.04	7.18
97.29	0.97	65.12	22.70	295.85	7.84
42.14	0.42	30.42	25.69	298.84	2.31
46.14	0.46	29.99	26.35	299.50	2.56
47.95	0.48	30.89	26.48	299.63	2.68
50.19	0.50	31.67	26.40	299.55	2.83
57.63	0.58	33.24	26.31	299.46	3.30
57.07	0.57	34.15	26.43	299.58	3.28
67.86	0.68	35.86	26.49	299.64	3.95
76.62	0.77	36.96	26.23	299.38	4.50
88.50	0.88	38.62	26.98	300.13	5.21
60.83	0.61	37.59	24.95	298.10	2.52
61.10	0.61	38.03	25.05	298.20	2.55
68.02	0.68	39.45	25.10	298.25	2.87
73.65	0.74	40.21	25.10	298.25	3.14

81.33	0.81	40.51	25.19	298.34	3.50
100.77	1.01	42.19	25.23	298.38	4.39
105.20	1.05	43.33	25.46	298.61	4.60
122.45	1.22	44.33	25.13	298.28	5.40
75.86	0.76	41.01	27.26	300.41	5.05
44.06	0.44	33.08	24.49	297.64	2.14
44.60	0.45	31.09	25.27	298.42	2.17
49.18	0.49	31.26	25.30	298.45	2.43
49.64	0.50	32.00	25.47	298.62	2.46
60.10	0.60	32.29	25.48	298.63	3.03
66.88	0.67	35.79	25.53	298.68	3.41
74.03	0.74	34.31	25.78	298.93	3.80
79.57	0.80	35.72	25.31	298.46	4.12
124.11	1.24	41.67	25.54	298.69	4.57
41.95	0.42	38.45	22.52	295.67	2.68
42.17	0.42	36.64	22.63	295.78	2.71
49.32	0.49	38.24	22.94	296.09	3.21
49.34	0.49	37.41	23.07	296.22	3.23
51.48	0.51	37.51	23.31	296.46	3.40
56.95	0.57	39.48	23.38	296.53	3.80
58.68	0.59	38.85	23.62	296.77	3.93
64.56	0.65	40.41	23.30	296.45	4.36
57.43	0.57	41.18	23.91	297.06	3.86
48.36	0.48	38.28	20.59	293.74	2.76
54.60	0.55	37.82	21.19	294.34	3.14
56.74	0.57	38.25	21.32	294.47	3.29
60.45	0.60	38.64	21.35	294.50	3.54
70.22	0.70	39.12	21.44	294.59	4.17
69.39	0.69	40.56	21.49	294.64	4.14
73.86	0.74	40.63	21.70	294.85	4.43
78.33	0.78	41.82	21.45	294.60	4.72
69.94	0.70	41.81	22.14	295.29	4.18
28.23	0.28	27.44	25.31	298.46	1.92
25.31	0.25	30.54	25.44	298.59	1.70
29.80	0.30	30.83	25.68	298.83	2.06
32.44	0.32	27.78	25.68	298.83	2.27
37.20	0.37	29.95	25.72	298.87	2.66
39.98	0.40	28.86	25.78	298.93	2.89
42.77	0.43	29.72	25.80	298.95	3.12
42.41	0.42	29.91	25.60	298.75	3.10
39.28	0.39	31.54	26.02	299.17	2.85
83.06	0.83	34.30	20.56	293.71	2.20
90.96	0.91	33.82	21.30	294.45	2.42
96.84	0.97	33.59	21.35	294.50	2.59
102.71	1.03	34.02	21.34	294.49	2.77
104.65	1.05	34.45	21.43	294.58	2.84
112.50	1.12	34.73	21.56	294.71	3.08

119.41	1.19	35.46	21.87	295.02	3.28
149.99	1.50	36.76	21.24	294.39	4.16
130.61	1.31	44.95	22.37	295.52	3.59
52.19	0.52	44.03	17.64	290.79	2.25
55.69	0.56	42.86	17.40	290.55	2.43
60.81	0.61	43.10	17.91	291.06	2.68
65.35	0.65	47.83	17.89	291.04	2.90
79.15	0.79	44.30	18.05	291.20	3.57
89.00	0.89	45.20	17.91	291.06	4.06
90.45	0.90	39.72	17.83	290.98	4.14
90.68	0.91	49.74	17.65	290.80	4.16
85.69	0.86	54.15	17.12	290.27	3.94
65.26	0.65	51.23	10.03	283.18	2.29
76.36	0.76	51.28	10.36	283.51	2.71
82.89	0.83	51.95	10.68	283.83	2.97
102.25	1.02	52.30	10.81	283.96	3.70
105.88	1.06	52.66	10.95	284.10	3.86
133.71	1.34	53.87	11.08	284.23	4.93
142.02	1.42	53.95	11.05	284.20	5.26
147.16	1.47	54.40	11.07	284.22	5.47
139.38	1.39	55.97	11.23	284.38	5.17
36.26	0.36	45.73	9.38	282.53	1.02
41.60	0.42	44.71	9.53	282.68	1.19
47.28	0.47	48.17	9.62	282.77	1.38
56.53	0.57	51.66	9.72	282.87	1.67
72.11	0.72	53.13	9.76	282.91	2.17
80.05	0.80	48.66	9.72	282.87	2.44
95.67	0.96	50.55	9.43	282.58	2.95
99.92	1.00	53.70	9.40	282.55	3.09
90.44	0.90	53.28	8.44	281.59	2.81
55.58	0.56	41.35	10.05	283.20	1.95
44.38	0.44	39.71	10.19	283.34	1.54
77.40	0.77	41.61	10.41	283.56	2.79
108.35	1.08	43.36	10.20	283.35	3.98
130.99	1.31	45.11	10.00	283.15	4.87
149.25	1.49	45.62	9.97	283.12	5.60
149.98	1.50	47.65	9.38	282.53	5.67
164.37	1.64	50.55	9.02	282.17	6.25
146.51	1.47	58.34	7.03	280.18	5.64
34.12	0.34	36.90	8.20	281.35	1.09
42.03	0.42	36.83	8.10	281.25	1.37
58.12	0.58	38.49	8.30	281.45	1.95
76.80	0.77	39.69	8.23	281.38	2.63
105.53	1.06	41.35	8.23	281.38	3.68
147.81	1.48	45.84	7.49	280.64	5.25
165.66	1.66	47.48	7.17	280.32	5.93
177.61	1.78	50.52	6.51	279.66	6.40

145.51	1.46	59.24	4.66	277.81	5.30
33.29	0.33	33.59	6.24	279.39	1.08
44.82	0.45	33.31	6.75	279.90	1.49
56.36	0.56	33.62	6.82	279.97	1.91
71.16	0.71	34.80	6.79	279.94	2.46
93.31	0.93	35.97	6.77	279.92	3.28
129.82	1.30	38.16	6.23	279.38	4.65
155.26	1.55	40.59	5.68	278.83	5.62
163.40	1.63	42.88	5.41	278.56	5.94
142.18	1.42	50.85	3.68	276.83	5.22
52.24	0.52	42.74	0.15	273.30	0.98
63.04	0.63	41.92	0.06	273.21	1.20
76.32	0.76	42.95	0.23	273.38	1.47
102.75	1.03	44.04	0.25	273.40	2.02
140.61	1.41	46.42	0.26	273.41	2.80
176.85	1.77	47.04	-0.32	272.83	3.57
208.90	2.09	50.21	-0.71	272.44	4.26
239.37	2.39	52.59	-1.31	271.84	4.91
209.08	2.09	58.70	-2.70	270.45	4.33